

MAILING CERTIFICATE

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Dec. 8, 2003
Date

by Kay Bulen
Signature

Kay Bulen
Printed Name

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Peter H. Kay

Serial No.: 10/617,060

Filed: July 8, 2003

For: USE OF FLUORESCENT MOLECULAR BEACONS IN THE
DETECTION OF METHYLATED NUCLEIC ACIDS

Art Unit: 1645

Examiner:

Docket No.: 44675-52

Date: December 4, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to the requirements in 37 C.F.R. § 1.56, and in conformance with 37 C.F.R. 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement. Applicant respectfully requests that the Examiner: (1) consider the following documents during the course of his or her examination of the above-identified patent application, and (2) list the following documents in the References Cited section of any patent that may issue from the above-identified patent application. The references came to our attention through an International Search Report, a copy of which is attached.

The following documents are provided:

U.S. Patents

None

Foreign Patent Documents

WO 9826093

Other

Tyagi et al., Molecular Beacons: Probes that Fluoresce upon Hybridization, *Nature Biotechnology* 14(3):303-308, 1996

Millar et al., Detailed methylation analysis of the glutathione S-transferase π (GSTPI) gene in prostate cancer, *Oncogene* 18:1313-1324, 1999

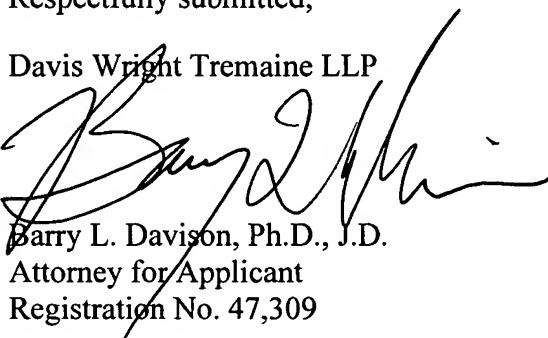
Agrawal et al., Site specific functionalization of oligonucleotides for attaching two different reporter groups, *Nucl. Acids Res.* 18:5419-5423, 1990

Ozaki et al., The estimation of distances between specific backbone-labeled sites in DNA using fluorescence resonance energy transfer, *Nucl. Acids Res.* 20:5205-5214, 1992

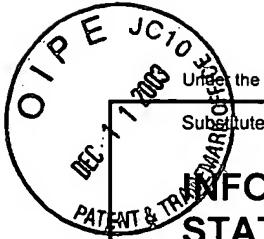
Applicant respectfully requests consideration of the foregoing documents during examination of the above-identified patent application. Copies of each cited document are enclosed along with a completed Information Disclosure Statement by Applicant.

Respectfully submitted,

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheep

of 2

Complete if Known

Application Number	10/617,060
Filing Date	July 8, 2003
First Named Inventor	Peter H. Kay
Art Unit	1645
Examiner Name	
Attorney Docket Number	47675-52

U.S. PATENT DOCUMENTS

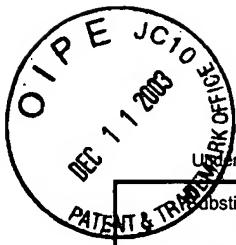
FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/617,060
				Filing Date	July 8, 2003
				First Named Inventor	Peter H. Kay
				Art Unit	1645
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	47675-52

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	O1	Tyagi et al., Molecular Beacons: Probes that Fluoresce upon Hybridization, <i>Nature Biotechnology</i> 14(3) 303-308, 1996	
	O2	Millar et al., Detailed methylation analysis of the glutathione S-transferase π (GSTPI) gene in prostate cancer, <i>Oncogene</i> 18:1313-1324, 1999	
	O3	Agrawal et al., Site specific functionalization of oligonucleotides for attaching two different reporter groups, <i>Nucl. Acids Res.</i> 18:5419-5423, 1990	
	O4	Ozaki et al., The estimation of distances between specific backbone-labeled sites in DNA using fluorescence resonance energy transfer, <i>Nucl. Acids Res.</i> 20:5205-5214, 1992	
	O5		

Examiner Signature		Date Considered	
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.